

JCC-Rec'd.PCT/PTO 15 NOV 2005

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| FORM PTO-1390 | | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 2953-228 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | U.S. Application No. (if known) 10/549,634 |
| | | | |
| INTERNATIONAL APPLICATION NO. PCT/GB2004/001126 | INTERNATIONAL FILING DATE March 17, 2004 | PRIORITY DATE CLAIMED March 20, 2003 | |
| TITLE OF INVENTION RESTRICTING FLUID PASSAGE AND NOVEL MATERIALS THEREFOR | | | |
| APPLICANT(S) FOR DO/EO/US Michael John CRABTREE, Nicholas John CROWTHER, Donald EAGLAND, Philip FLETCHER | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | |
| 1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371 | | | |
| 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. | | | |
| 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | |
| 4. <input type="checkbox"/> The US has been elected (Article 31). | | | |
| 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) | | | |
| 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). | | | |
| 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. | | | |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | |
| 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | |
| 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | |
| ITEMS 11. TO 20. below concern other document(s) or information included: | | | |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | |
| 13. <input type="checkbox"/> A preliminary amendment. | | | |
| 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. | | | |
| 15. <input type="checkbox"/> A substitute specification. | | | |
| 16. <input type="checkbox"/> A power of attorney and/or change of address letter. | | | |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825 | | | |
| 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). | | | |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | |

| U.S. APPLICATION NO. (If known) New Application | INTERNATIONAL APPLICATION NO. PCT/GB2004/001126 | ATTORNEY DOCKET NO. 2953-228 | | | | | | | | | | | | |
|--|--|--|--|------|--------------|-----------|----|-----------|--------------------|---------|---|------------|--|--|
| 20. <input checked="" type="checkbox"/> Other items or information: Claim for Small Entity Status and Request for Refund | | | | | | | | | | | | | | |
| 21. The following fees are submitted: <input type="checkbox"/> Basic National Fee \$300.00 | <u>CALCULATIONS</u> | <u>PTO USE ONLY</u> | | | | | | | | | | | | |
| | \$ | | | | | | | | | | | | | |
| 22. <input type="checkbox"/> Examination Fee If the written opinion prepared by ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations \$200.00 | \$ | | | | | | | | | | | | | |
| 23. <input type="checkbox"/> Search Fee If the written opinion of the ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Authority \$100.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400.00 All other situations..... \$500.00 | \$ | | | | | | | | | | | | | |
| TOTAL OF 21, 22 AND 23 = | | \$ 900 | | | | | | | | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof. | \$ | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 35%;">Number of each additional 50 or fraction thereof</th> <th style="width: 15%;">Rate</th> </tr> <tr> <td style="text-align: center;">- 100 =</td> <td style="text-align: center;">/ 50 =</td> <td></td> <td style="text-align: center;">x 250</td> </tr> </table> | Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Rate | - 100 = | / 50 = | | x 250 | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Rate | | | | | | | | | | | |
| - 100 = | / 50 = | | x 250 | | | | | | | | | | | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). | | \$ | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Claims</th> <th style="width: 15%;">Number Filed</th> <th style="width: 35%;">Number Extra</th> <th style="width: 15%;">Rate</th> </tr> <tr> <td>Total Claims</td> <td style="text-align: center;">36 - 20 =</td> <td style="text-align: center;">16</td> <td style="text-align: center;">X \$50.00</td> </tr> <tr> <td>Independent Claims</td> <td style="text-align: center;">5 - 3 =</td> <td style="text-align: center;">2</td> <td style="text-align: center;">X \$200.00</td> </tr> </table> | Claims | Number Filed | Number Extra | Rate | Total Claims | 36 - 20 = | 16 | X \$50.00 | Independent Claims | 5 - 3 = | 2 | X \$200.00 | | |
| Claims | Number Filed | Number Extra | Rate | | | | | | | | | | | |
| Total Claims | 36 - 20 = | 16 | X \$50.00 | | | | | | | | | | | |
| Independent Claims | 5 - 3 = | 2 | X \$200.00 | | | | | | | | | | | |
| Multiple dependent claim(s) (if applicable) + \$360.00 | | \$ | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | \$ | | | | | | | | | | | | |
| <input type="checkbox"/> Applicant claims small entity status. The fees indicated above are reduced by 1/2. | | \$ | | | | | | | | | | | | |
| SUBTOTAL = | | \$ | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). + | | \$ | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | | \$ | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | \$ | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | | \$ 2,100 | | | | | | | | | | | | |
| | | Amount to be refunded | | | | | | | | | | | | |
| | | \$ | | | | | | | | | | | | |
| | | Amount to be charged | | | | | | | | | | | | |
| | | \$ | | | | | | | | | | | | |

| | | |
|---|--|---------------------------------|
| U.S. APPLICATION NO. (If known) 10/549,634 | INTERNATIONAL APPLICATION NO. PCT/GB2004/001126 | ATTORNEY DOCKET NO. 2953-228 |
|---|--|---------------------------------|

a. ☐ A check in the amount of \$_____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-2135 in the amount of \$_____ to cover the above fees.
 A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

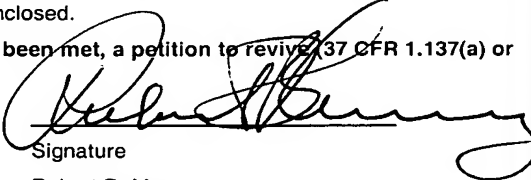
Customer No. 06449

Rothwell, Figg, Ernst & Manbeck

1425 K St., N.W.

Washington, D.C. 20005

Phone: 202/783-6040


 Signature
Robert B. Murray
 Name
22,980
 Registration Number

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/549,634
Applicant : Michael John CRABTREE et al
Filed : September 20, 2005
TC/A.U. :
Examiner :

Docket No. : 2953-228
Customer No. : 06449
Confirmation No. :

CLAIM FOR SMALL ENTITY STATUS
AND REQUEST FOR REFUND

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

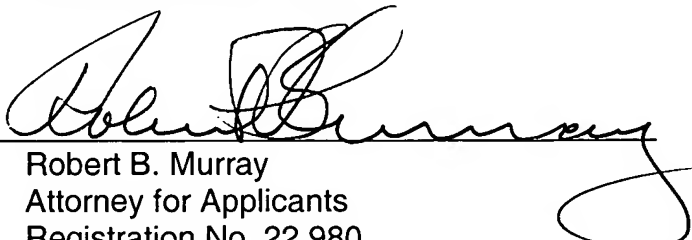
November 15, 2005

Dear Sir:

Applicant claims small entity status and requests a refund of one-half of the government fee of \$2,100 paid on September 20, 2005. This request is being filed within three months from payment of the fee for which a refund is requested. Please credit our deposit account 02-2135 in the amount of \$1,050.

Respectfully submitted,

By



Robert B. Murray
Attorney for Applicants
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RBM/cb